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Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Geologicheskaya, 1951 [v. 16] no. 4, p. 106-126.

DESCRIPTORS: *Quartz, Minerals, Rock, *Geology, Sedimentation.

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1. Pustovalov, L. V.

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Stomach, *Secretion, Starvation.

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meals, and a haphazard arrangement of meals on
gastric secretion was studied. Long intervals between
meals resulted in a lower level of secretion and lower
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juice due to the uneven strain on the stomach's
functioning and its subsequent disturbances. Other
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Office of Technical Services

results include a thick mucus secretion, disappearance of the reflex phase, and signs of dyspepsia. Normal secretion was slowly regained with the return to normal meal intervals. Irregular meals caused no definite trend in the secretory process. Periods of hyper- and hyposecretion, large amounts of mucus, low digestive power of gastric juice, increased acidity, and decreased free HCL were noted. Secretory patterns in the experimental dogs varied from one experiment to another. Indications of chronic hypertrophic gastritis were found in the gastric mucosa. All elements of the peripheral nervous were affected. These findings confirm the view that gastritis may result from prolonged functional changes in the stomach.

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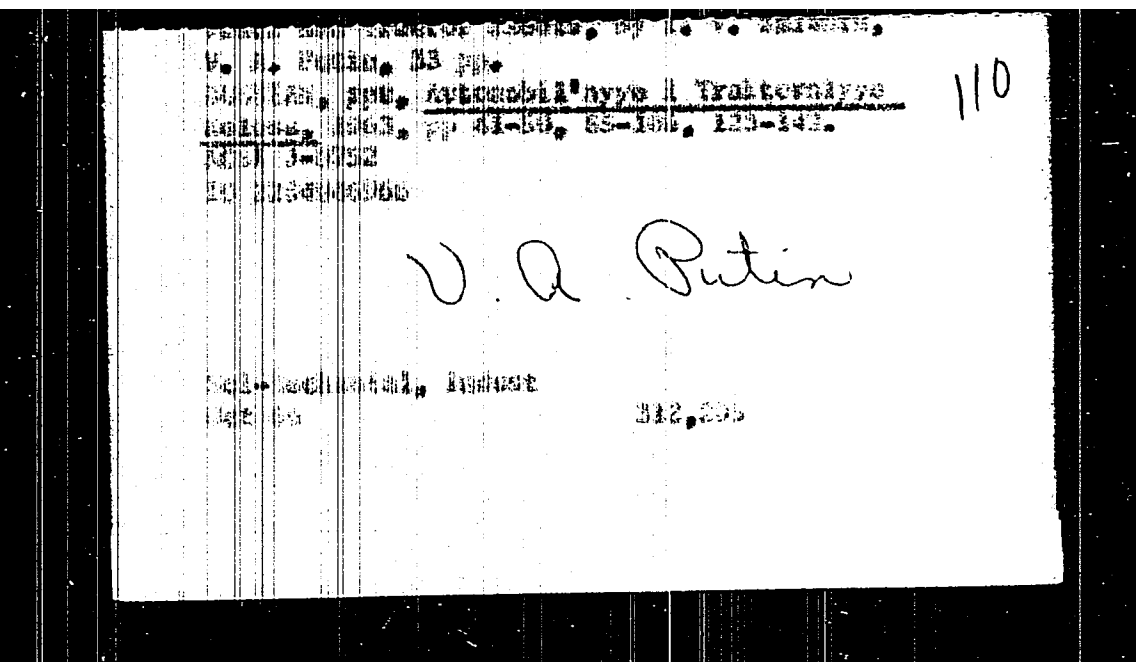
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